DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)

BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, Florida PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599 www.miamidade.gov/pera/

Marvin Windows and Doors Highway 11 West, P. O. Box 100 Warroad, MN 56763-0100

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION:

Series "French Storm Plus I-Z4" 8'-0" Aluminum Clad Wood Outswing Glazed Doors - L.M.I.

APPROVAL DOCUMENT: Drawing No. **1487**, titled Series "8 Ft. Aluminum Clad Out-Swing Wood Impact Doors", sheets 1 through 11 of 11, dated 08/17/2006 with revision "A1", dated 10/17/2011, prepared by W. W. Schafer Engineering & Consulting, P.A., signed and sealed by Warren W. Schafer, P. E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series and following statement: "Miami-Dade County Product Control Approved" unless otherwise noted herein.

REVISION of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA No. 06-1228.02 and consists of this page 1, evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P. E.





NOA No. 11-1026.03 Expiration Date: May 03, 2017 Approval Date: December 22, 2011

Page 1

Marvin Windows and Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under previous NOA No.06–1228.02)
- 2. Drawing No. 1487, titled Series "8 Ft. Aluminum Clad Out-Swing Wood Impact Doors", sheets 1 through 11 of 11, dated 08/17/2006, with revision "A1", dated 10/17/2011, prepared by W. W. Schafer Engineering & Consulting, P.A., signed and sealed by Warren W. Schafer, P. E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of outswing wood door, prepared by Architectural Testing, Inc., Test Report No. ATI-67287.01-201-18, dated 12/01/2006, signed and sealed by Joseph A. Reed, P.E.

(Submitted under previous NOA No. 06-1228.02)

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC-2007, FBC-2010 and ANSI/ AAMA/ NWWDA 1001/ I.S.2-97, prepared by W. W. Schafer Engineering & Consulting, P.A., dated 10/17/2011, signed and sealed by Warren W. Schafer, P. E.
- 2. Glazing complies with ASTM E1300-98/04

D. OUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 11-0624.02 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Sentry Glass® Interlayer" dated 05/26/2010, expiring on 01/14/12.
- 2. Test reports on: 1) Determining Ignition Temperature of Plastic, per ASTM D-1929;
 - 2) Density of Smoke Testing of Fiberglass Reinforced Plastic, per ASTM D-2843;

along with installation diagram, prepared by SGS U. S. Testing Company, Inc., Test Reports No.'s SGS 147520-1, SGS 147520-2, SGS 147520-3 and SGS 147520-4, dated 10/27/2000, signed by Michael S. Elliott.

(Submitted under previous NOA No. 06-1228,02)

Jaime D. Gascon, P. E. t Control Section Supervisor

Product Control Section Supervisor NOA No. 11-1026.03

Expiration Date: May 03, 2017 Approval Date: December 22, 2011

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS (CONTINUED)

- Test reports on: 1) Tensile Properties and Xenon-Arc Weathering Tests of Fiberglass Reinforced Plastic:
 - 2) Flammability Testing of Fiberglass Reinforced Plastic, per ASTM D-635;
 - 3) Flammability Testing of Geon 06935-3490, per ASTM D-635;
 - 4) Ignition Temperature Testing of Geon 06935-3490, per ASTM D-2843 and Density of Smoke Testing of Fiberglass Reinforced

along with marked-up drawings and installation diagram, prepared by Stork/ Twin City Testing Corporation, Inc., Test Reports No.'s TCT 18 0-0758, TCT 18 0-0758.1, TCT 18 0-0758.2, TCT 18 0-0758.3 and TCT 18 0-0796, dated 10/12, 11/08, 11/09, 11/16, 11/29/2000 and 04/19/2001, signed and sealed by Derrick J. Swanson, P. E.

(Submitted under previous NOA No. 06-1228.02)

- Test reports on: 1) Determining Ignition Temperature of Plastic, per ASTM D-1929; along with installation diagram prepared by Intertek Testing Services NA, Inc., Test Report No. ITS-3119811SAT-001, dated 03/28/2007, signed by Servando Romo.
- 5. Test reports on: 1) Determining Ignition Temperature of Plastic, per UL 723 substitute to ASTM E-84;

along with installation diagram prepared by Underwriters Laboratories, Inc., Test Report No. UL-R11183, dated 01/09/2006, signed by Janet L. Burton.

F. **STATEMENTS**

- Statement letter of conformance and compliance with the FBC-2007 including supplements, FBC-2010 and ANSI/ AAMA/ NWWDA 1001/ I.S.2-97, prepared by W. W. Schafer Engineering & Consulting, P.A., dated 10/17/2011, signed and sealed by Warren W. Schafer, P. E.
- Statement letter of no financial interest and independence, dated 10/17/2011, signed and sealed by Warren W. Schafer, P. E.
- Laboratory compliance letter for Test Report No. ATI-67287.01-201-18, issued by Stork/ Twin City Testing Corporation, Inc., dated 12/01/2006, signed and sealed by Joseph A. Reed, P. E.

(Submitted under previous NOA No. 06-1228.02)

Laboratory compliance letter for Test Reports No's TCT 18 0-0758, TCT 18 0-0758.1. TCT 18 0-0758.2, TCT 18 0-0758.3 and TCT 18 0-0796, issued by Architectural Testing, Inc., dated 10/12, 11/08, 11/09, 11/16, 11/29/2000 and 04/19/2001, signed and sealed by Derrick J. Swanson, P. E.

(Submitted under previous NOA No. 06-1228.02)

Jaime D. Gascon, P. E. **Product Control Section Supervisor**

NOA No. 11-1026.03

Expiration Date: May 03, 2017 Approval Date: December 22, 2011

Marvin Windows and Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (CONTINUED)

5. Laboratory compliance letter for Test Reports No.'s SGS 147520-1, SGS 147520-2, SGS 147520-3 and SGS 147520-4, issued by SGS U. S. Testing Company, Inc., dated 10/27/2000, signed by Michael S. Elliott.

(Submitted under previous NOA No. 06-1228.02)

- 6. Laboratory compliance letter for Test Report No. UL-R11183, issued by Underwriters Laboratories, Inc., dated 01/09/2006, signed by Janet L. Burton, P. E. (Submitted under previous NOA No. 06-1228.02)
- 7. Laboratory compliance letter for Test Report No. ITS-3119811SAT-001, issued by Intertek Testing Services NA, Inc., dated 03/28/2007, signed by Servando Romo. (Submitted under previous NOA No. 06-1228.02)

G. OTHERS

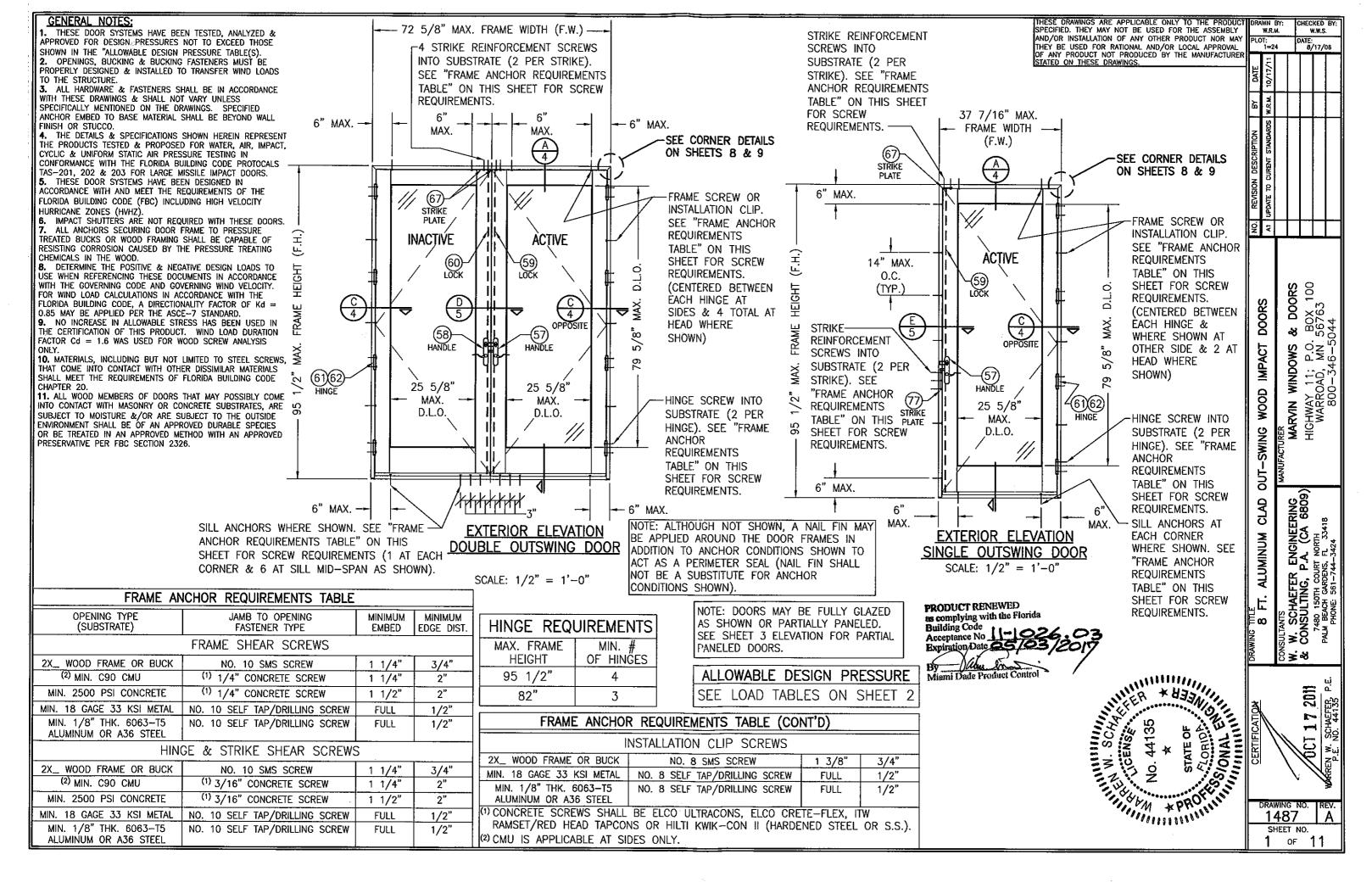
1. Notice of Acceptance No. 06–1228.02, issued to Marvin Windows and Doors for their Series "French Storm Plus I–Z4" 8'-0" Aluminum Clad Wood Outswing Glazed Doors – L.M.I.", approved on 05/03/2007 and expiring on 05/03/2012.

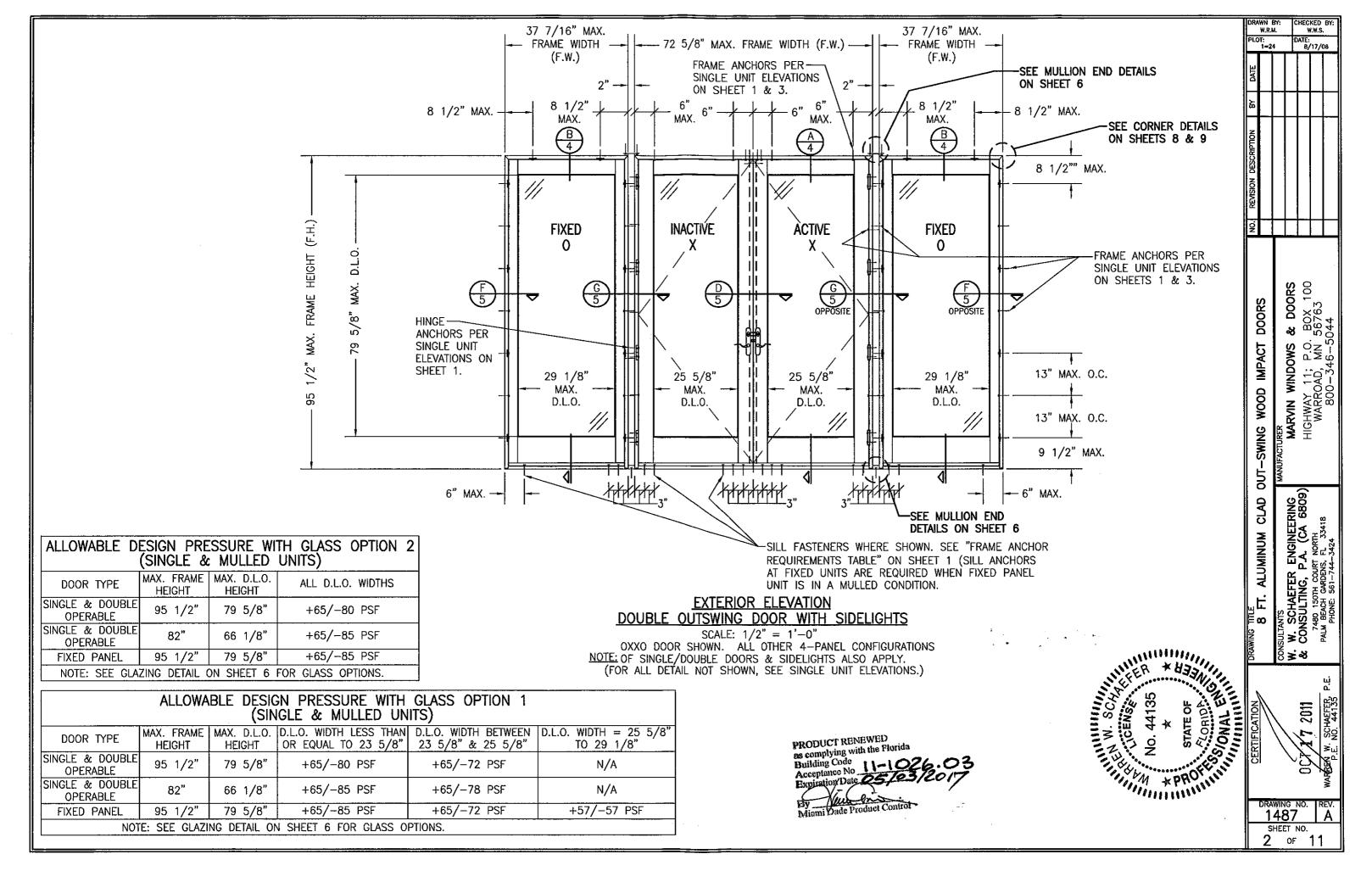
Jaime D. Gascon, P. E.

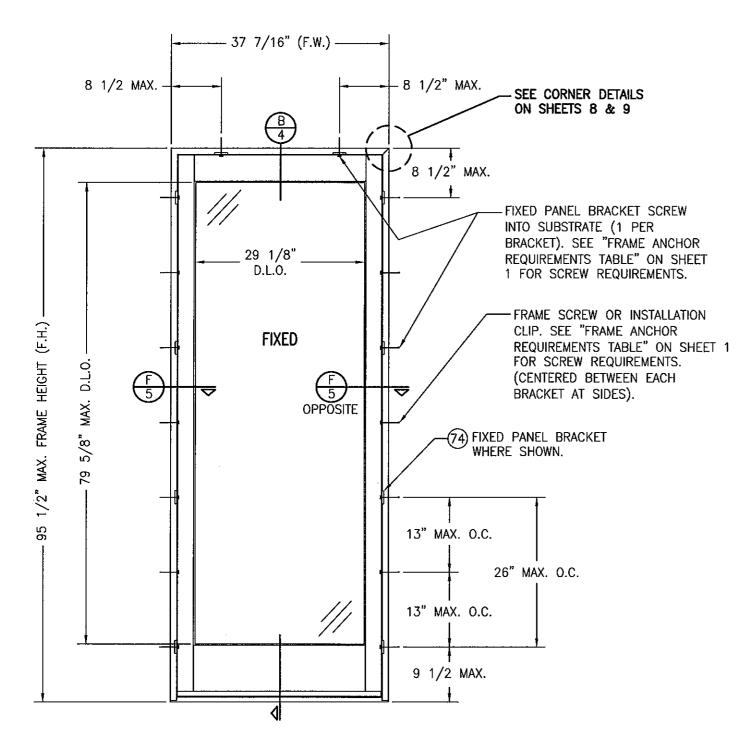
Product Control Section Supervisor

NOA No. 11-1026.03 Expiration Date: May 03, 2017

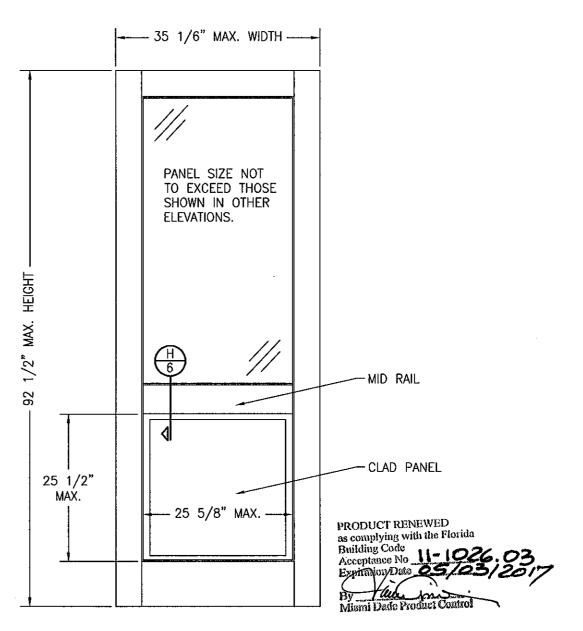
Approval Date: December 22, 2011







EXTERIOR ELEVATION SINGLE FIXED PANEL SCALE: 3/4"=1'-0"



EXTERIOR ELEVATION RAISED PANEL

SCALE: 3/4"=1'-0"

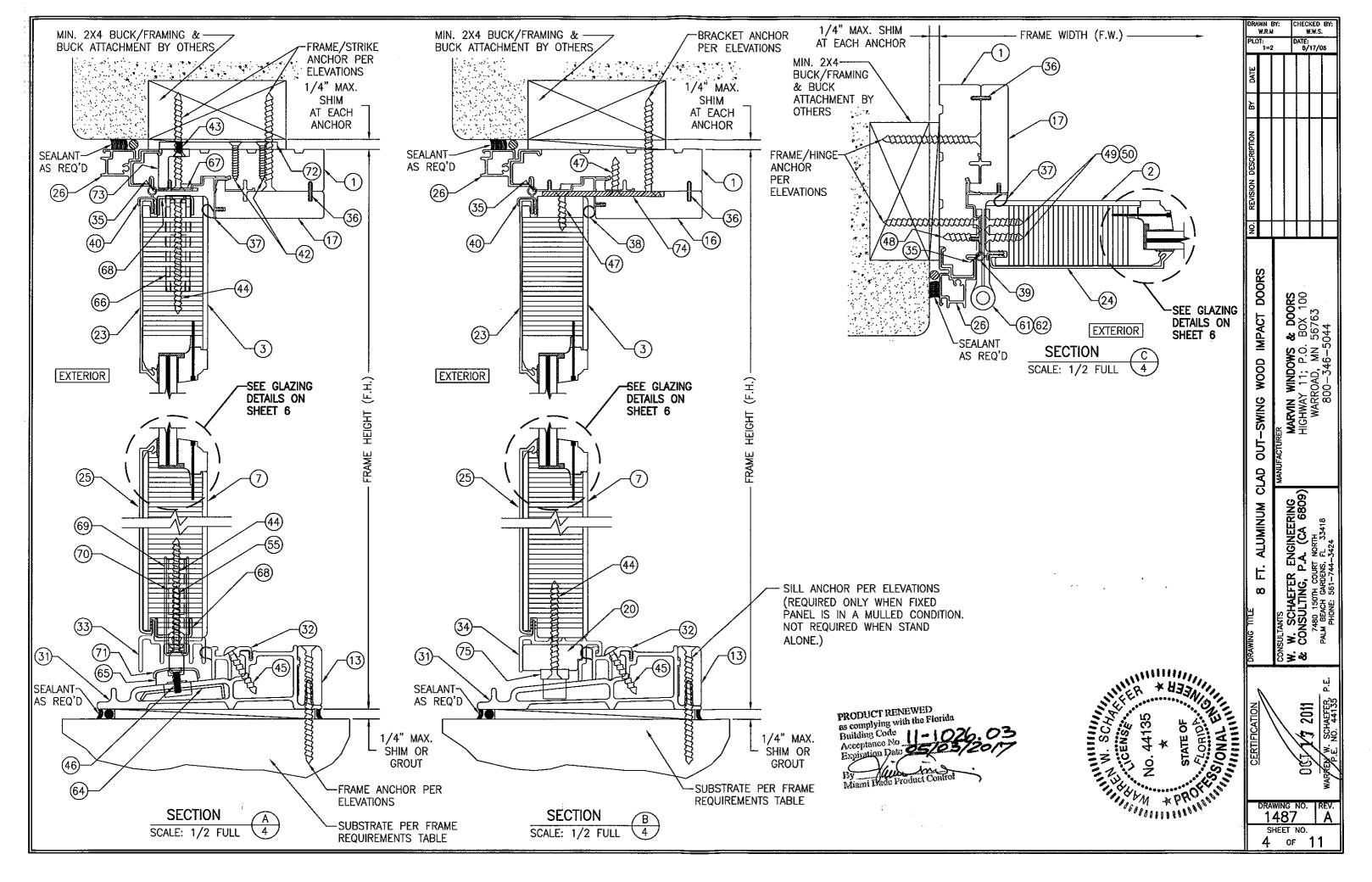
NOTE: PANEL ONLY IS SHOWN. FOR INSTALLATION INTO FRAME, SEE OTHER ELEVATIONS.

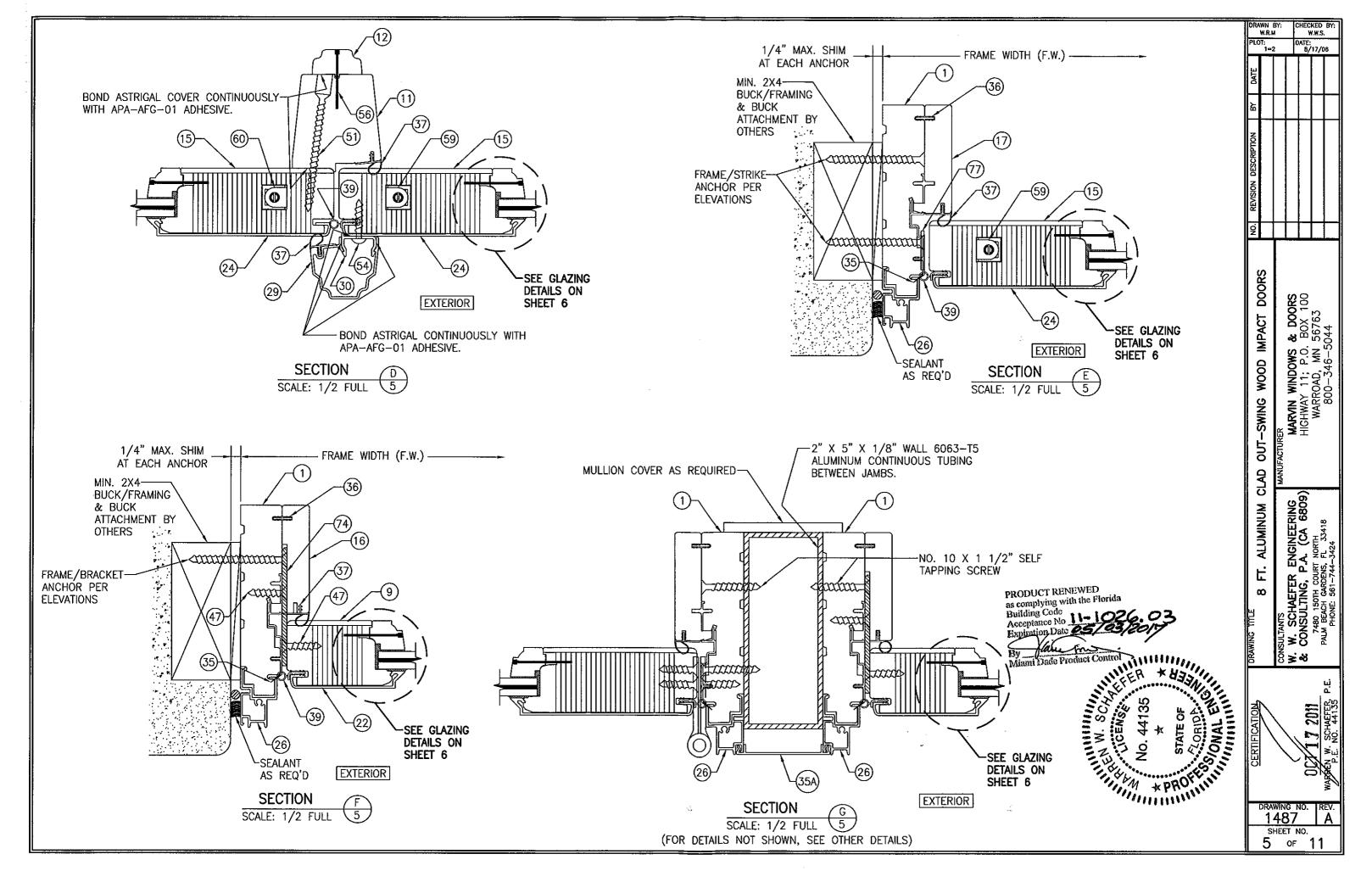


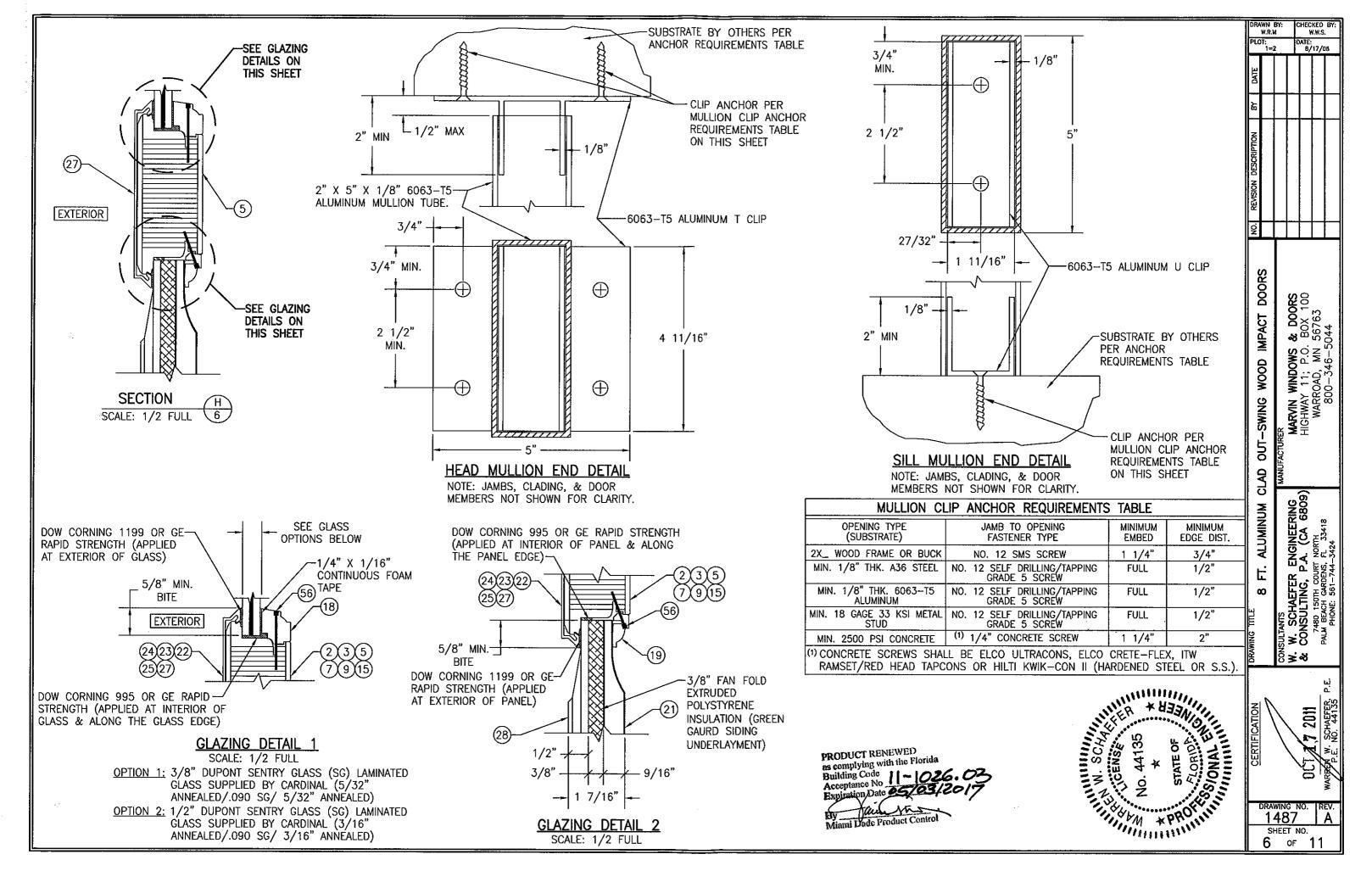
DOORS

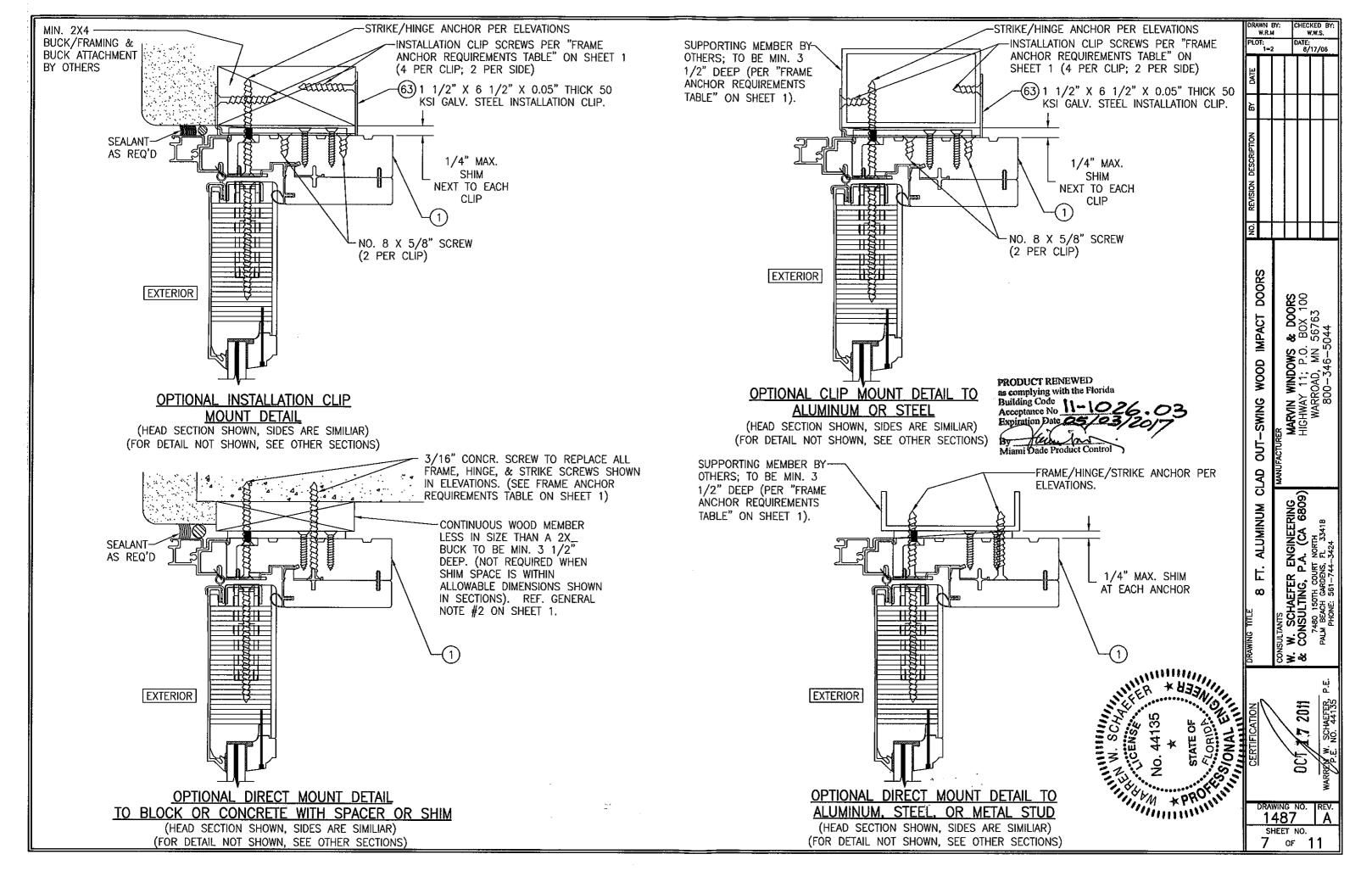
IMPACT

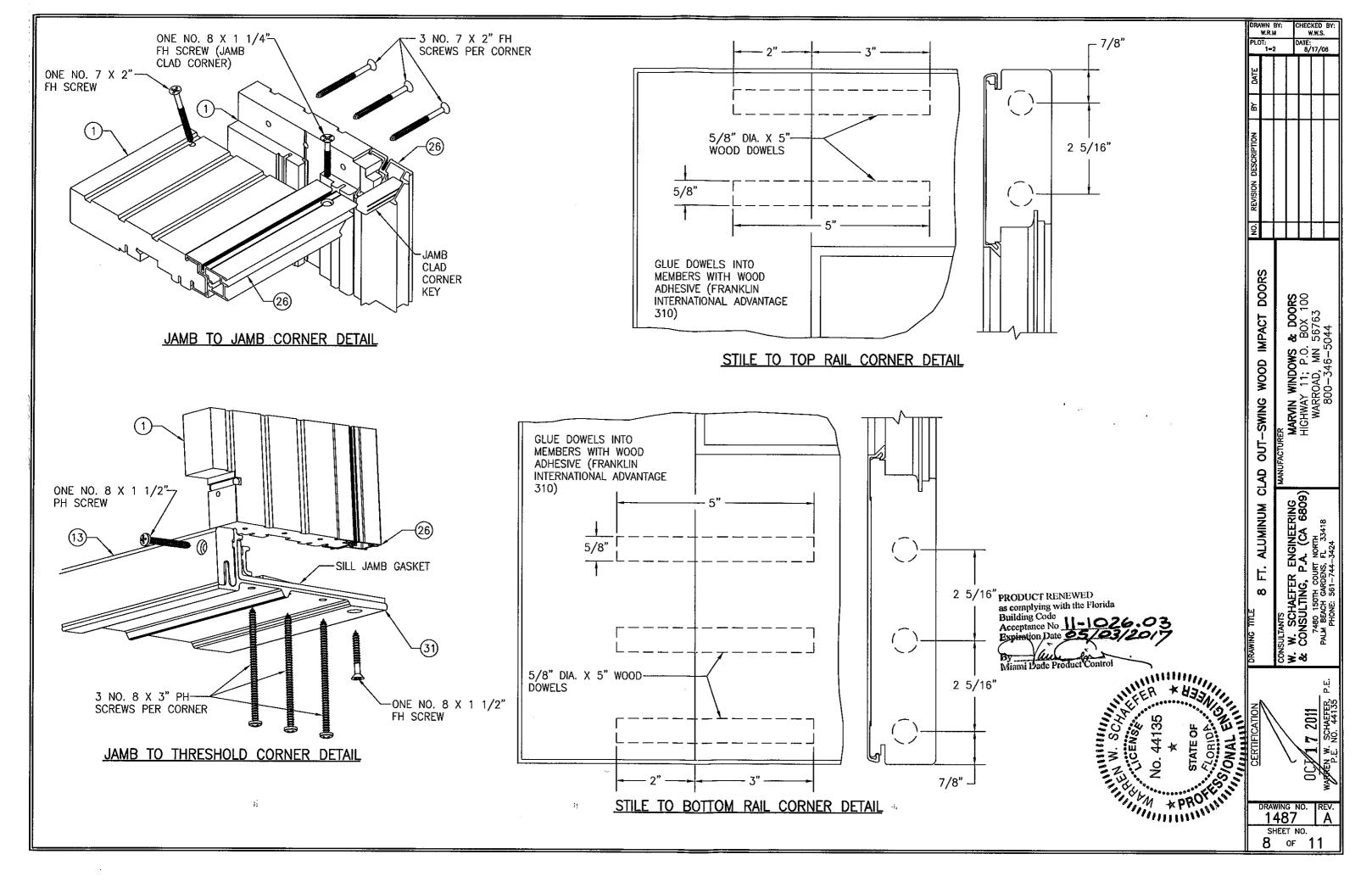
OUT-SWING WOOD

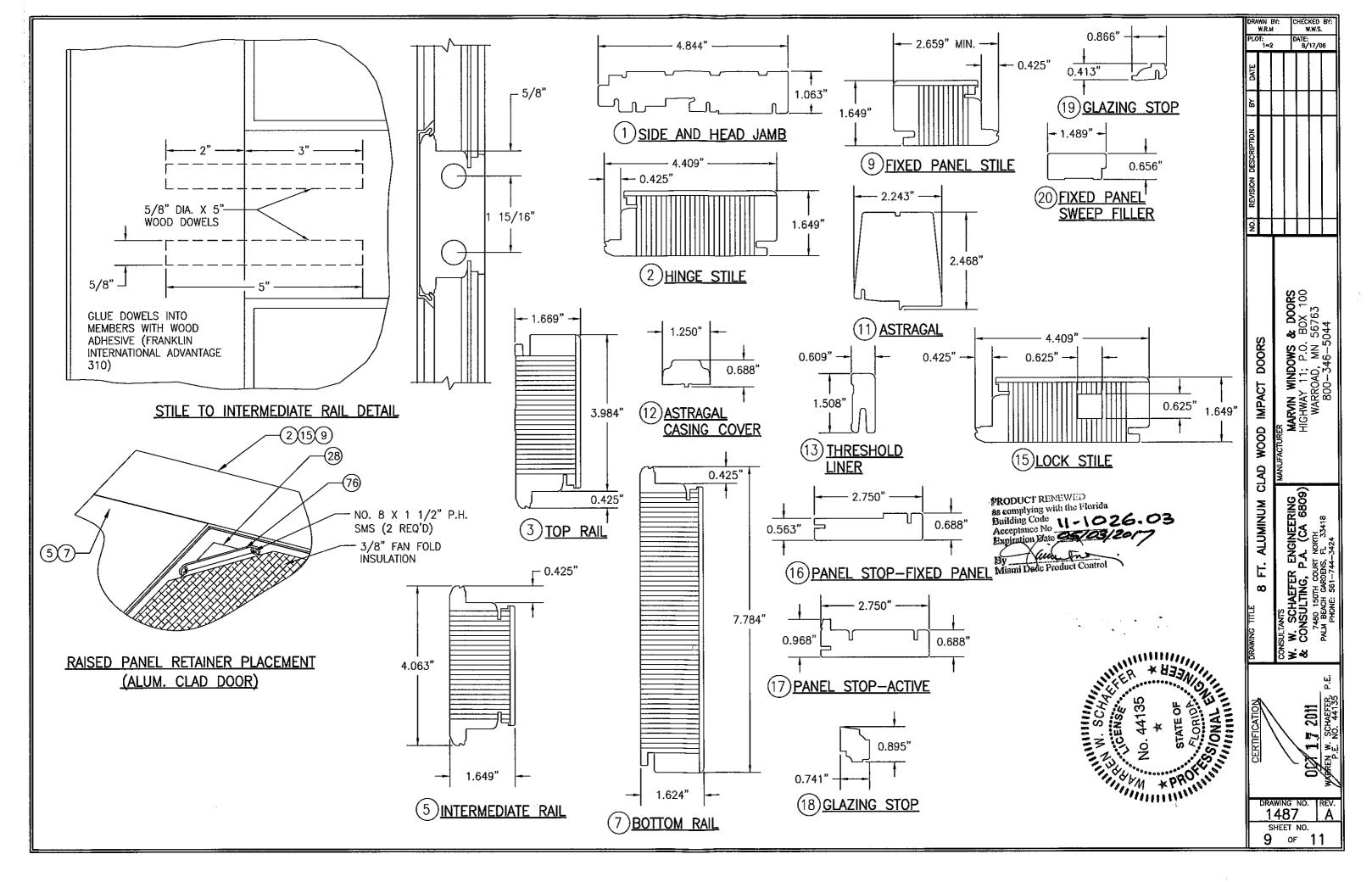


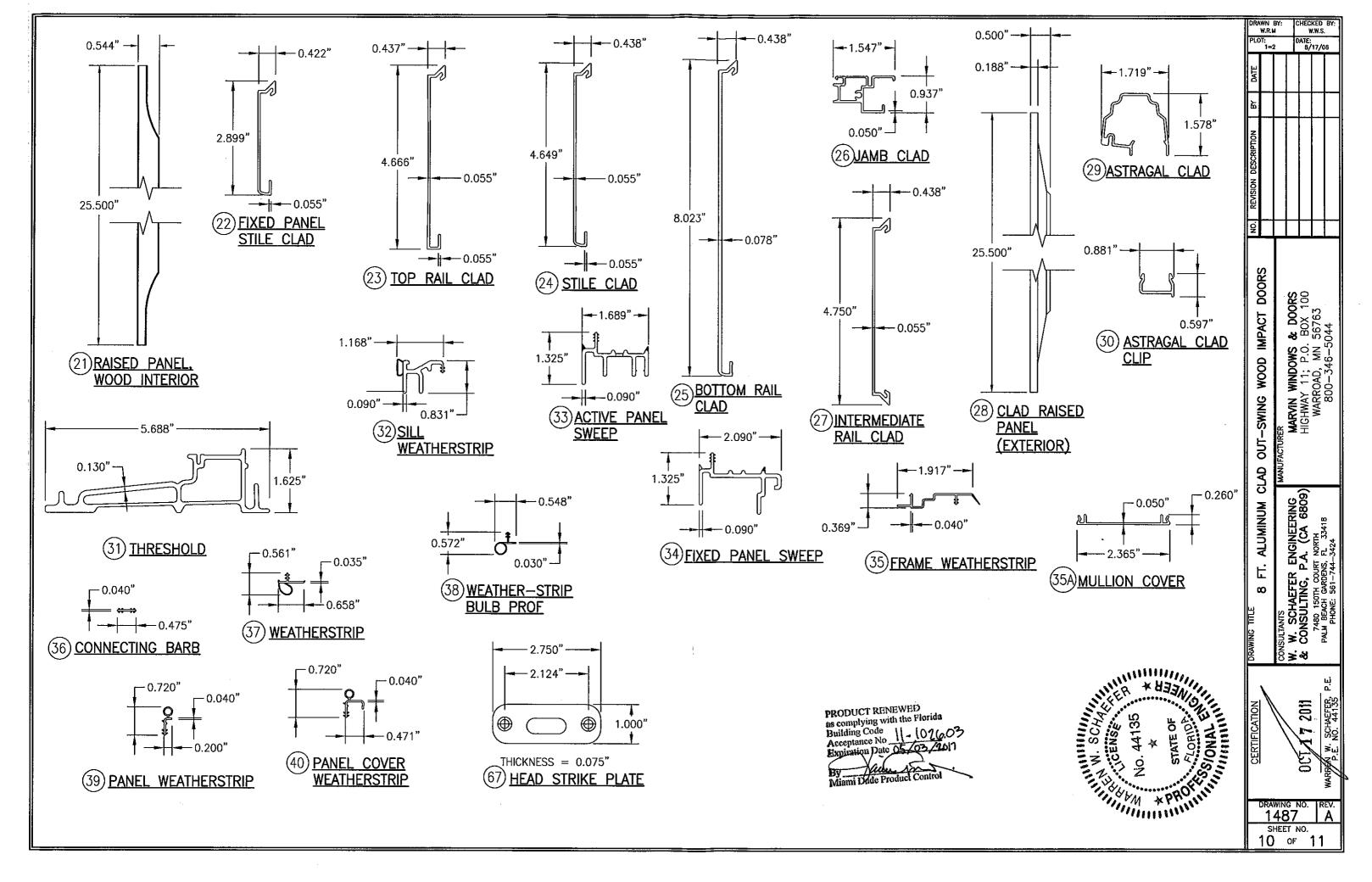












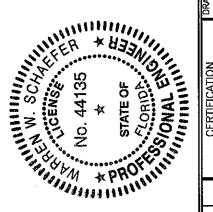
PARTS LIST							P/	ARTS LIST	ORAWN 8 W.R.M		CHECKED W.W.S
NO. REF. NO. DESCRIPTION	NOTES	NO.	REF. NO.	0.		DESCRIPTION		NOTES	PLOT: 1=2	(DATE: 8/17/0
PARTS &	EXTRUSIONS							FASTENERS			\prod
1 00011397 SIDE & HEAD JAMB	*WOOD	41				PH A SMS		2 PER HEAD STRIKE PLATE	M		'
2 00014719 HINGE STILE (ALUM, CLAD DOOR)	LVL WITH WOOD VENEER	42		NO.	8 X 1" A	ιB		2 PER HEADER REINFORCEMENT PLATE	 	+	
3 00033833 TOP RAIL (ALUM. CLAD DOOR)	LVL WITH WOOD VENEER	43	Γ <u>-</u> -	NO.	8 X 3/8'	MACHINE SCREW		2 PER HEADER REINFORCEMENT BRACKET	ል		11'
5 00008674 INTERMEDIATE RAIL (ALUM. CLAD DOOR)	LVL WITH WOOD VENEER	44		NO.	8 X 3" S	SMS		1 PER SHOOT BOLT GUIDE INTO PANELS] 		HT
7 00030437 BOTTOM RAIL (ALUM. CLAD DOOR)	LVL WITH WOOD VENEER	45	-	NO.	8 X 1 1,	/4" P.H. S/STL SM	S	2 1/4" FROM ENDS & MAX. 11" O.C.	Š	1	
9 00014580 FIXED PANEL STILE (ALUM. CLAD DOOR)	LVL WITH WOOD VENEER	46	_	NO.	8 X 5/8	MACHINE SCREW		2 PER THRESHOLD STRIKE			
10 00016785 MULL CASING BASE	*W00D	47	-	NO.	8 X 1" A	λB		2 INTO STILE/RAIL; 1 INTO JAMB		1	
11 00042535 ASRAGAL	*WOOD	48		NO.	10 X 1"	SMS		2 PER HINGE INTO JAMB			
12 00008310 ASTRIGAL CASING COVER	*W00D	49		NO.	9 X 1 1,	/2" SMS		4 PER ADJ HINGE INTO STILE	SS		
13 00011114 THRESHOLD LINER	*W00D	50	_	NO.	10 X 1"	SMS		4 PER BUTT HINGE INTO STILE	18		
15 00014719 LOCK STILE (ALUM. CLAD DOOR)	LVL WITH WOOD VENEER	51		NO.	8 X 3" S	SMS		3" FROM ENDS & MAX. 8" O.C. (ASTRAGAL)	1 5 	+	- -
16 00041914 PANEL STOP - FIXED PANEL	*W00D	52			8 X 1 1,			3" FROM ENDS & MAX. 12" O.C. (ASTRAGAL)	<mark>│</mark> ┸┫		Ш_
17 00016403 PANEL STOP - ACTIVE	*WOOD	53	-	NO.	7 X 2" S	SMS		3" FROM ENDS & MAX. 12" O.C. (ASTRAGAL)	1 I		
18 00016573 GLAZING STOP - GLASS	*W00D	54	-		8 X 1" T			3" FROM ENDS & MAX. 12" O.C. (ASTRAGAL)	1 ທ ∐		
19 00007090 GLAZING STOP — RAISED PANEL	*WOOD	55		NO.	8 X 1 1/	/2" P.H. SMS		2 1/2" FROM ENDS & MAX. 9" O.C. WITH ADDITIONAL ONE AT LOCK THROW	- SR		
20 00014943 FIXED PANEL SWEEP FILLER	*WOOD	56	_		/2" BRAD			2" FROM ENDS & 10-12" O.C.		l &	8
21 00042412 RAISED PANEL WOOD INTERIOR	MDF WITH WOOD VENEER		· · ·	<u> </u>	<u></u>		L	HARDWARE	╢╏╽	Š	ر ج ^{بي}
22 00015069 FIXED PANEL STIILE CLAD	6063-T5 ALUMINUM	57	00015469	69 ACTI	IVE DOOR	HANDLE	T	AS REQUIRED TO OPERATE LOCK SYSTEM	∄ ଧୃ	Ď	BOX 100 56763
23 00028460 TOP RAIL CLAD	6063T5 ALUMINUM				CTIVE DOOF			AS REQUIRED TO OPERATE LOCK SYSTEM	₽Ā	શ્ર	
24 00014631 STILE CLAD	6063-T5 ALUMINUM		00013771	71 ACTI	IVE DOOR	2-POINT LOCK/DEA	ADBOLT	ASHLAND	1 = I	₹	HIGHWAY 11; P.O. WARROAD, MN
25 00018088 BOTTOM RAIL CLAD	6063-T5 ALUMINUM					R 2-POINT LOCK H		ASHLAND	ᅦᄫᆝ	8	
26 00013503 JAMB CLAD	6063-T5 ALUMINUM				4 BUTT I			LAWRENCE	∥ ¥ ∥	Į₹	₽₽
27 00008638 INTERMEDIATE RAIL CLAD	6063—T5 ALUMINUM					TABLE HINGE		ASHLAND	∥ ပျှ	z	꽃
28 00041060 CLAD RAISED PANEL (EXTERIOR)	MIC 6 ALUMINUM					TEEL 0.050 C - C		1 9/16" WIDE X 6 1/2" LONG X .050" THK.	SWING	I ∑	₹₹
29 00002625 ASTRAGAL CLAD	6063-T5 ALUMINUM	1			. Fy = 50			MAY REPLACE FRAME FASTENERS PER ELEVATIONS.	\(\sigma_1 \)	≝₹	ΞΞ
30 00002622 ASTRIGAL CLAD CLIP	6063-T5 ALUMINUM	64	00027022		BACKER P			1 AT EACH THRESHOLD STRIKE BELOW SILL	╢╘╏	J.	
31 00011107 THRESHOLD (PAINTED ULTREX)	FIBERGLASS WITH MIN. Fy = 39 KSI & BEARING STRESS = 26.1 KSI					RCED ACETAL SILL	STRIKE	1 AT EA. LOCK BAR; 1.07 X 2.82 X 0.3 THK	₽	FAC	
32 00013508 SILL WEATHERSTRIP	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)							1 AT EA. OPERATER PANEL (TOP)	<u> </u>	ANC	
33 00013510 ACTIVE PANEL SWEEP	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)					RIKE PLATE		1 FOR EA. LOCK BAR (HEADER)	5	Σ	$\overline{}$
34 00013509 FIXED PANEL SWEEP	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)				. STILE EN			1 AT EA. OPERATER PANEL (TOP AND BOTTOM)	-{	<u> </u>	(6089
35 00013511 FRAME WEATHERSTRIP	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)							1 AT EA. OPERATER PANEL (BOTTOM)	╢┋ ┇		68
35A 00002030 MULLION COVER	6063-T5 ALUMINUM							1 AT EA. OPERATER PANEL (BOTTOM)	╢┋l		≶ -
•	ID SEALANTS				SILL STRIF			1 AT EA. LOCK BAR; .250 X 2.661 X .048 THK 302 S.S.	ALUMIN	Z	<u>`</u> ڪَ ۗૄૄ
36 00005685 CONNECTING BARB	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)					REINFORCEMENT PLA		1 FOR EA. LOCK BAR (HEADER) 1.500 X 3.000 X .188 THK 304 S.S.	11 . 1	Ž	P.A. (CA (URT NORTH
37 00005648 WEATHERSTRIP	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)					REINFORCEMENT BR		1 FOR EA. LOCK BAR (HEADER) .781 x 1 x .75 THK 304 S.S.	H E	<u>14</u>	~ 5
38 00005399 WEATHERSTRIP BULB PROFILE	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)				ED PANEL I			LOCATED PER ELEVATIONS; 1 X 3 X 1/8 THK 5052 ALUMINUM	∥ա∥		CONSULTING, F
39 00013513 PANEL WEATHERSTRIP	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)				D PANEL			2 PER FIXED PANEL AT THRESHOLD	╢., I	₹	F 2
40 00013512 PANEL COVER WEATHERSTRIP	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)					RETAINER		4 PER RAISED PANEL	▐▋▕▋	E SS	<u>ાટ</u> જૂ
- · · · · · · · · · · · · · · · · · · ·	······································	┥	 						- <u> </u>	\[\f\].	S ×
* ALL WOOD USED WITH TESTED UNITS IS MIN. GRADE 2 W SHALL BE MIN. GRADE 2 WITH "F" = 1200000 PSI MIN. &		17	105/00044	44 <u>[3.5.</u>	. Strike P	LAIL	- 1	1 FOR EA. LOCK BAR (SIDE JAMB)	SAWI	SNS ✓	O d

SHALL BE MIN. GRADE 2 WITH "E" = 1200000 PSI MIN. & "G" = 0.43 MIN

NOTE: ALL WOOD IS RECEIVED BY MARVIN WINDOWS & DOORS AS GRADE 2, BUT IS MACHINED BY MARVIN
TO A SELECT GRADE USE.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No
Expiration Date 65/03/2017

By the en Miami Dade Product Control



ଞ୍ୟ SCHAEFER, NO. 44135 2011 OCT DRAWING NO. RE 1487 / SHEET NO. 11 OF 11